



# Call For Ideas 2022/2023

# Regenerative LA

Landscape architecture as a climate actor // SLU Landscape //

Ultuna: Marina Queiroz, Daniel Bergquist, Bodil Dahlman

Alnarp: Scott Wahl, Anders Larsson, Dennis Andreasson, Caroline Dahl, Helena Mellqvist



# CFI Regenerative Landscape Architecture // 2 study trips

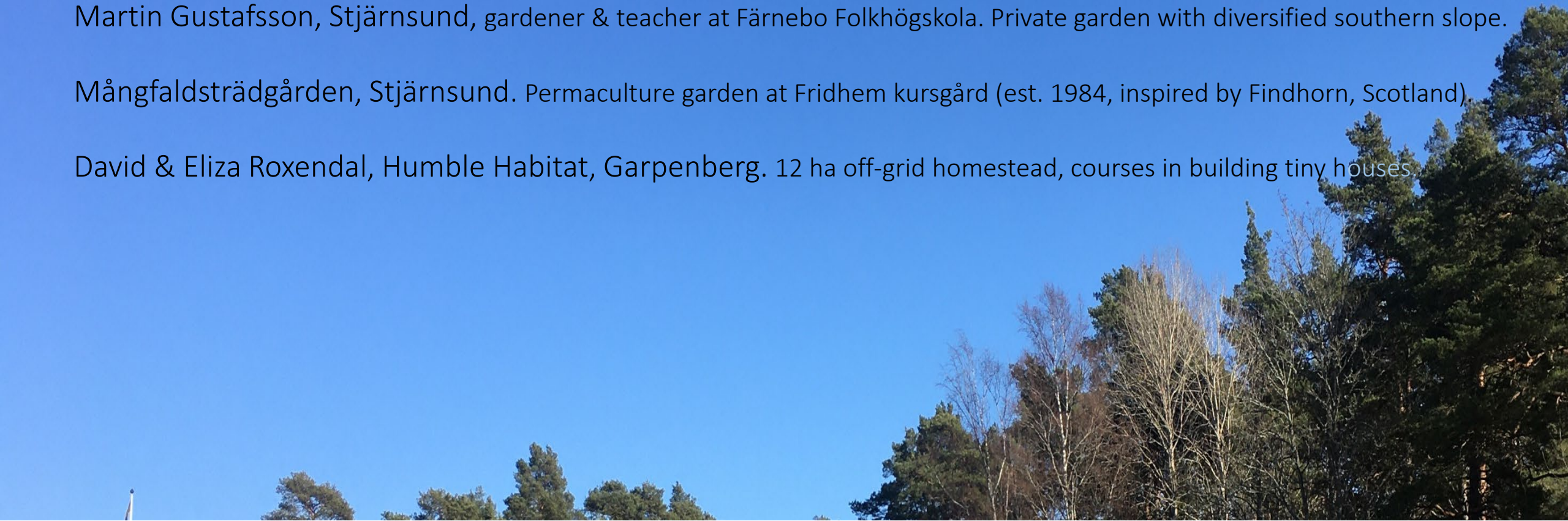
Southern Dalarna, 25-26/4 2023

Philipp Weiss, Puttmyra Forest garden & plant nursery zone 5. Author of *Nöthandboken* & *Skogsträdgården –odla ätbart överallt*.

Martin Gustafsson, Stjärnsund, gardener & teacher at Färnebo Folkhögskola. Private garden with diversified southern slope.

Mångfaldsträdgården, Stjärnsund. Permaculture garden at Fridhem kursgård (est. 1984, inspired by Findhorn, Scotland).

David & Eliza Roxendal, Humble Habitat, Garpenberg. 12 ha off-grid homestead, courses in building tiny houses.



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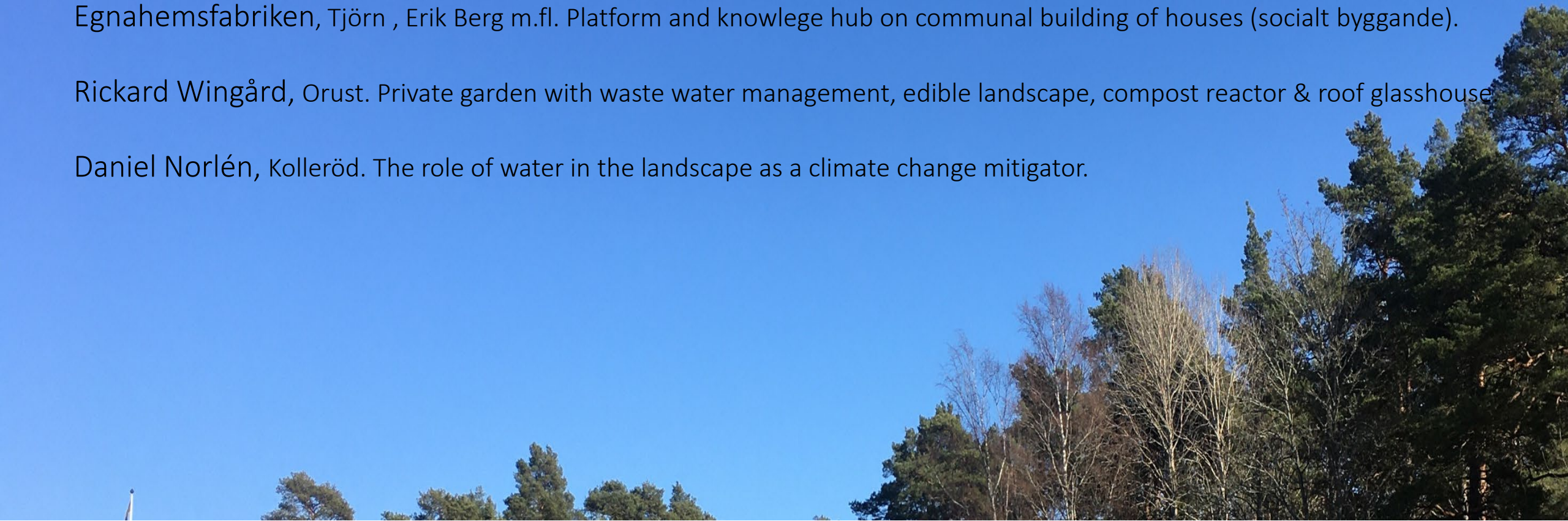
Gothenburg, Orust, Tjörn, 18-20/9 2023

Testbed Agroforestry & Food forest, Angered Gård, Mauricio Sagastuy Klie. Project owner: Västra Götalandsregionen.

Egnahemsfabriken, Tjörn , Erik Berg m.fl. Platform and knowlege hub on communal building of houses (socialt byggande).

Rickard Wingård, Orust. Private garden with waste water management, edible landscape, compost reactor & roof glasshouse

Daniel Norlén, Kolleröd. The role of water in the landscape as a climate change mitigator.







# Rikard Wingård, Orust

Private garden with waste water management, edible landscape, compost reactor, roof glasshouse & compost toilet



The Humanure Handbook  
Joseph Jenkins, 2019





## Egnahemsfabriken, Tjörn

Platform and knowledge hub for communal building of houses (socialt byggnande)







# REGENERATIVE DESIGN

## WHAT

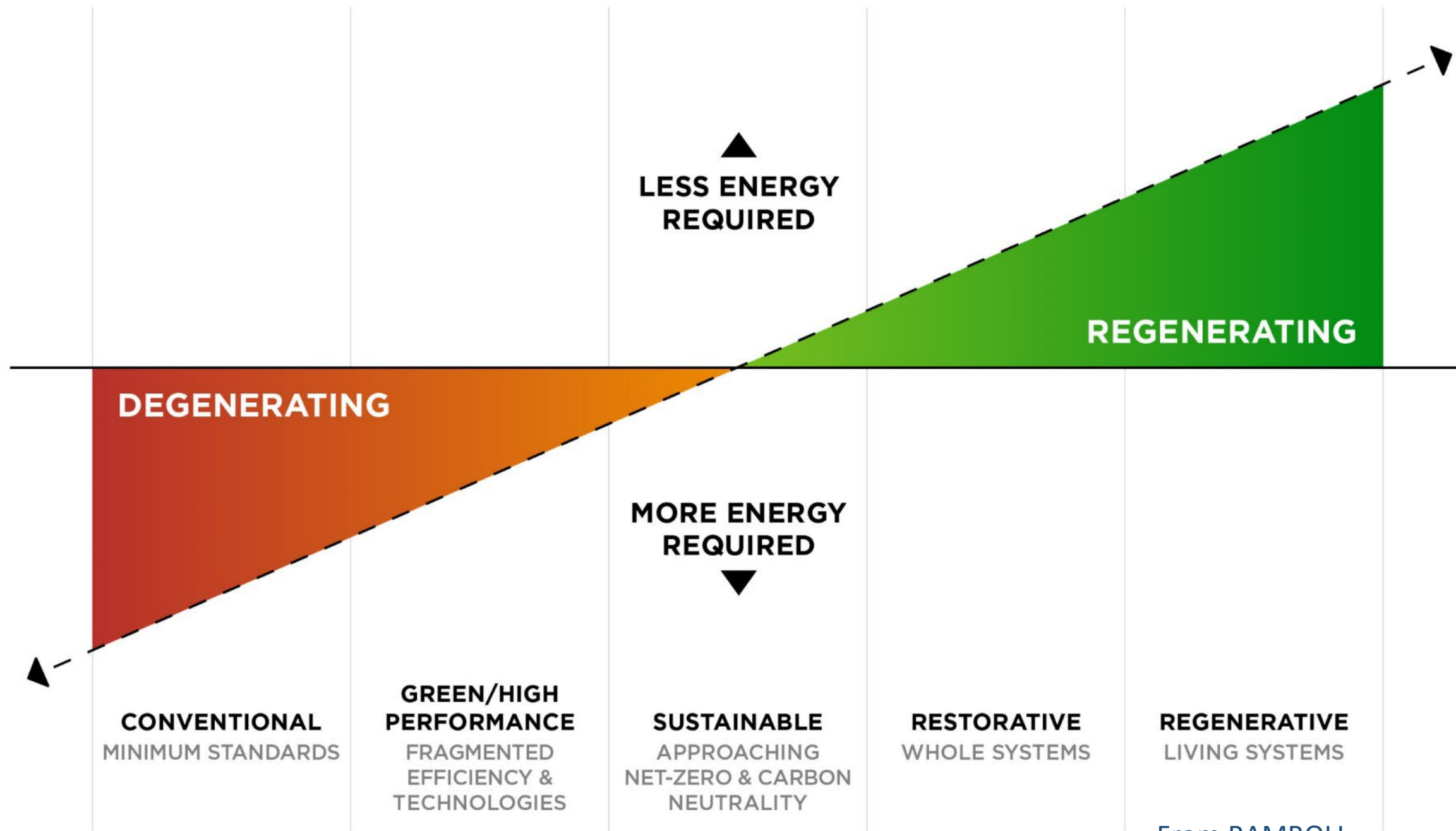
Based on whole systems thinking  
Inspiration from the processes found in nature

## WHY

Enable cyclical exchanges between human and nature in the face of a long-term and healthy co-existence  
Reconnect and realign humans and their activities with the natural environment  
Reducing human footprints on the environment and climate

## HOW

Circularity  
Generating the resources needed  
Generate more energy than consumed in the construction and lifespan of the project  
Benefiting its context and ecology, the built environment has a net positive impact on natural systems



From RAMBOLL



## Re-generate something

Energy/Food/Biofuel/Wood  
& other Ecosystem Services  
including social aspects

## Circularity

Enable cyclical exchanges  
between human & nature  
for long-term and healthy  
co-existence

## Whole Systems thinking

System of systems

## Connect man-nature

Reconnect & realign humans &  
our activities with the natural  
environment

## Extreme situation requires radical solutions

Allow and embrace a more radical  
position

## Benefiting context and ecology

Built environment has net positive impact  
on natural systems

# REGENERATIVITY





## Re-generate something

Energy/Food/Biofuel/Wood  
& other Ecosystem Services  
including social aspects

## Extreme situation requires radical solutions

Allow and embrace a more radical position

## Water as climate actor

Sponge City - Sponge Landscape

## Flora Fauna Funga

## Biodiversity

makes the planet habitable  
for all species, including  
humans

More complexity = more  
habitats & more species  
= aids climate stability via  
more biodiversity and more  
carbon sequestration

## Circularity

Enable cyclical exchanges  
between human & nature  
for long-term and healthy  
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## Whole Systems thinking

System of systems

## Benefiting context and ecology

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# REGENERATIVITY

## Long life, Loose fit, Low energy

Alex Gordon RIBA president, 1972

## Centering Soil

Post-industrial Soil, Urban Soil  
Soil Life = Healthy soils = More  
Carbon sequestration  
Soil Carbon Sponge -Walter Jehne

## Rewilding

## Retro?

Article 8(j) Traditional Knowledge,  
Innovations and Practices,  
Convention on Biological Diversity

## Connect man-nature

Reconnect & realign humans &  
our activities with the natural  
environment  
Posthumanist perspective  
More-Than-Humans  
We Are Nature  
Biophilia hypothesis

## Reduce human footprints

Reduce, Recycle, Upcycle,  
Reuse, Repurpose, Refurbish,  
Reconstruct, Adapt, Refuse  
Minimize CO2 & energy use  
Cradle to cradle (C2C)  
Low Tech  
Low Impact  
Nature based solutions  
Edible landscapes  
Forest gardens  
Permaculture  
Agroecology  
Agroforestry  
Biomimicry



## Scaling up – from individual projects to cities and regions?

- All projects we visited were of local and idealistic nature.
- In theory, some also argue that downscaling is essential. Large scale, international systems of trade regarding energy, food etc. can never be fully regenerative.
- Yet, transforming degenerative systems to more regenerative ones on city, regional and national level (circular economies, cities & regions) is essential.
- Analyzing where the weakest spots are and find solutions for getting these aspects of society more regenerative?



# Outcomes CFI Regenerative Landscape Architecture

- Revision of survey regarding urban soils for project in PREPSOIL, EU Soil Health initiative
- Compilation of study trips & summary of findings for SLU Landscape homepage
- Suggestions on implementing new knowledge/aspects in courses
- Develop edible multi layered plant bed/s in Kunskapsparken Ultuna
- Apply for funding for creating a *Movium Faktablad*
- Presentation at ECLAS 9-10/9 2024 Brussels, theme Regenerative Landscapes